Index of Claims

| Application No. | Applicant(s)   |   |
|-----------------|----------------|---|
| 10/018,324      | LANGLEY ET AL. |   |
| Examiner        | Art Unit       | · |
| Jim Vannucci    | 2828           |   |

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  | A |  |
|---|--------------|---|--|
| ı | Interference | 0 |  |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim           |  |                     |          | D        | ate          |          |          |          | ]              | Cla          | aim      |                                     |                    |           |               | ate      |         |                   |             | . [  | CI    | aim        |          |          |         | Da      | e        |                 | _           |           |
|----------|---------------|--|---------------------|----------|----------|--------------|----------|----------|----------|----------------|--------------|----------|-------------------------------------|--------------------|-----------|---------------|----------|---------|-------------------|-------------|------|-------|------------|----------|----------|---------|---------|----------|-----------------|-------------|-----------|
| _        | ja            | 2  |                     |          |          |              |          |          |          |                | _            | 펼        |                                     |                    |           |               | - 1      |         |                   |             |      | =     | ā          |          |          |         |         |          |                 |             |           |
| Final    | Original      | 10/14/04   |                     |          |          |              |          |          |          |                | Final        | Original |                                     |                    |           |               |          |         |                   | -           | 1.24 | Final | Original   |          |          |         |         |          |                 |             |           |
| _        | 0             | =  |                     |          |          |              |          |          |          |                | -            | Ō        |                                     |                    |           |               |          |         |                   | - }         |      | _     | ō          |          |          |         | 1       |          |                 |             |           |
|          | 1             |  |                     |          |          |              |          |          |          | ]              |              | 51       |                                     |                    |           | $\Box$        |          | $\top$  | $\Box$            |             |      |       | 101        |          | 寸        | T       | ┪       | 1        | П               |             | $\exists$ |
| <u> </u> | 2             |  |                     |          | $\Box$   |              | _        |          |          | ]              | <u></u>      | 52       |                                     |                    |           |               |          | Д.      | П                 |             |      |       | 102        |          |          |         |         |          |                 | $\Box$      |           |
|          | 3             | _  | $\vdash \vdash$     | _        | 4        | _            |          | 4        | 4-       | - 1            |              | 53       | <u> </u>                            |                    |           | $\dashv$      | _        | _       | $\sqcup$          | ╝.          |      |       | 103        |          | _        | 4       | $\perp$ | ↓_       |                 | $\dashv$    |           |
| -        | <u>4</u><br>5 | <u> </u>   | ┝                   | -        | -+       |              | +        | -        | -        | -              |              | 54<br>55 | ├-                                  | _                  | _         | $\dashv$      | $\dashv$ |         | ╁                 |             |      |       | 104<br>105 | $\vdash$ |          | +       | +       | -        | Н               | $\dashv$    | 4         |
|          | 6             | +  | $\vdash$            | $\dashv$ | $\dashv$ | <del>-</del> | +        | $\dashv$ |          | -              |              | 56       | ┢                                   | -                  | $\dashv$  | $\dashv$      | $\dashv$ | +       | ╁                 | $\dashv$    |      |       | 105        |          | +        | +-      | +       | ╁        | Н               | -+          |           |
|          | 7             |  | $\Box$              | $\neg$   | _        |              | 十        | $\top$   |          | 1              |              | 57       | =                                   |                    | $\neg$    | $\neg$        | $\dashv$ |         | $\vdash$          | -1:         |      |       | 107        | $\dashv$ |          | ╁       | +       | ╁╌       | Н               | $\dashv$    |           |
|          | 8             |  |                     |          |          |              |          |          |          |                |              | 58       |                                     |                    |           | コ             | $\neg$   | $\top$  | 1                 | 7           |      |       | 108        |          | 十        | 十       | $\top$  | 1        | П               | $\dashv$    | $\neg$    |
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|          | 10            | _  |                     | _        |          | _            | _        | _        |          |                |              | 60       | L.                                  |                    |           |               |          | _ _     |                   |             |      |       | 110        |          |          | $\perp$ |         |          |                 | $\Box$      |           |
| <u> </u> | 11            | ├_   | $\vdash$            | _        | _        | _            | $\dashv$ | _        | $\bot$   | -  ∷.          | <u> </u>     | 61       | $\vdash$                            | $ldsymbol{\sqcup}$ | $\Box$    |               | 4        | 4_      | $\sqcup$          |             | ]    |       | 111        |          | _        | $\perp$ | 1       |          | Ш               | _[          |           |
|          | 12<br>13      | ├  |                     | $\dashv$ | -        | +            |          | +        | +        | -              |              | 62       | $\vdash$                            | <u> </u>           | Щ         | $\dashv$      | +        | +       | $\sqcup$          | _  `        |      |       | 112        | $\dashv$ |          | +       | $\bot$  | ╄        | Ш               |             | Ц         |
|          | 14            | <del>[                                    </del> | H                   | $\dashv$ |          | $\dashv$     | +        | $\dashv$ | +        | <b>-</b>  ;;;; |              | 63<br>64 | <del> </del>                        |                    | $\dashv$  |               | -+       | +-      | $\vdash$          |             |      |       | 113<br>114 | $\dashv$ |          | +       | +       | ┼        | $\vdash$        | -           |           |
|          | 15            | <del>                                     </del> | $\vdash$            | $\dashv$ |          | $\dashv$     | -        | +        | +-       | 1::            |              | 65       | $\vdash$                            | <del>  </del>      | $\dashv$  | $\dashv$      | -        | +       | $\vdash$          | <b>-</b>  : | ::}  |       | 115        | $\dashv$ | $\dashv$ | +       | +       | +        | Н               | $\dashv$    | ႕         |
|          | 16            | T  | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$     | 十        | $\dashv$ | +        | ┪              |              | 66       | $\vdash$                            | $\vdash$           |           | $\dashv$      | $\dashv$ | +       | $\vdash$          | _ `         |      |       | 116        | +        | +        | +       | +       | +        | $\vdash$        | $\dashv$    | -         |
|          | 17            |  |                     |          |          |              |          |          |          | ]              |              | _67      | İ                                   | П                  | Н         | $\dashv$      | _        | $\top$  | † †               | 7           |      |       | 117        | $\dashv$ | $\top$   | 十       | $\top$  | 1        | Н               | 十           | ٦         |
|          | 18            |  |                     |          | $\Box$   |              | $\Box$   |          |          |                |              | 68       |                                     |                    |           |               |          |         |                   |             |      |       | 118        |          | $\Box$   |         |         | T        | П               | $\exists$   | $\neg$    |
|          | 19            | <u> </u>   |                     | _        | 4        |              |          | _        |          |                |              | 69       |                                     |                    |           |               |          |         |                   |             |      |       | 119        |          |          |         |         |          |                 |             |           |
|          | 20            | <u> </u>   | Н                   | -        | 4        | _1           | $\perp$  | _        | _        |                | <u> </u>     | 70       | _                                   |                    | $\Box$    | $\sqcup$      | 4        | _       | $\sqcup$          |             |      |       | 120        |          | _        | $\bot$  | _       | <u> </u> | Ш               | $\dashv$    | _         |
| <u> </u> | 21<br>22      | _  | $\vdash$            | $\dashv$ |          | -            |          | -        |          | -              | <u> </u>     | 71<br>72 | ⊢                                   |                    | $\dashv$  | $\rightarrow$ | $\dashv$ |         | ₽                 | _           |      |       | 121        | 4        | _        | +       | 4       | ┢        | Ш               | _           | _         |
| <u> </u> | 23            | -  | $\vdash$            | $\dashv$ | -+       | $\dashv$     | -+       | +        |          | - 112          | -            | 73       | ┢                                   |                    |           | $\dashv$      | +        |         | ₽                 |             |      |       | 122<br>123 | -        | -        | +       | ╁       | ₩        | $\vdash$        | $\dashv$    | _         |
|          | 24            | 1  | $\vdash$            | +        |          | 1            | -+       | +        | +        | 1              |              | 74       | $\vdash$                            | -                  | $\dashv$  | $\dashv$      | $\dashv$ |         | +                 |             |      |       | 124        | -        | $\dashv$ | +       | ╁       | +        | $\vdash$        | $\dashv$    |           |
|          | 25            |  | П                   | $\neg$   | 寸        | 寸            |          | _        | 十        | 1              |              | 75       | ╁                                   |                    |           | _             | $\dashv$ |         | +                 | 一!          |      |       | 125        | $\dashv$ | +        | ╁       | +       | +        | Н               |             | -         |
|          | 26            |  |                     |          |          |              |          |          | 1        | 7              |              | 76       | Г                                   |                    |           | T             | $\neg$   | _       | T                 | Т.          |      |       | 126        | 1        | 十        | $\top$  | +       | $\vdash$ | Н               | $\dashv$    |           |
|          | 27            |  | П                   | $\Box$   |          |              | $\Box$   |          |          | ]              |              | 77       |                                     |                    |           |               |          |         |                   |             |      |       | 127        |          |          |         | Τ       |          |                 |             |           |
|          | 28            | ┕  | $\sqcup$            | _        |          | _            | $\dashv$ | $\perp$  |          | 1              |              | 78       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |                    |           |               |          |         |                   |             |      |       | 128        |          |          | $\perp$ |         |          |                 |             |           |
| <b>—</b> | 29<br>30      | ┡-   | $\vdash$            | $\dashv$ | _        |              | -        | +        | _ -      | 1              |              | 79       | _                                   | _                  | -         | _             | $\perp$  |         | $\perp$           | _           |      |       | 129        |          | _        | $\perp$ | $\bot$  | ↓_       | Ш               | $\dashv$    |           |
|          | 31            | Ę  | Н                   | $\dashv$ | -        | $\dashv$     | +        | +        | +        | 4              |              | 80<br>81 | <u> </u>                            | Н                  | $\dashv$  | $\dashv$      | +        | +       | $\vdash$          | -4:         |      |       | 130        | 4        | 4        | +       | 4       | ↓_       |                 | $\dashv$    |           |
| -        | 32            | -  | $\vdash$            | $\dashv$ | -+       | $\dashv$     | $\dashv$ | +        | +        | -              |              | 82       | -                                   | H                  | $\dashv$  | $\dashv$      | $\dashv$ | +       | -                 | $\dashv$    |      |       | 131<br>132 | $\dashv$ | +        | +       | ╀       | ╀        | $\vdash$        | $\dashv$    |           |
|          | 33            | $\forall$  | $\vdash \uparrow$   | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$ | +        | 1              |              | 83       |                                     | H                  | $\vdash$  | $\dashv$      | $\dashv$ | +-      | +                 | $\dashv$    | 1    |       | 133        | -+       | +        | +       | +       | +        | H               | $\dashv$    | $\dashv$  |
|          | 34            |  |                     | ╗        |          |              |          |          |          | 1              | _            | 84       |                                     | М                  | $\exists$ | ヿ             | 十        | +       | $\dagger \dagger$ | 7           | . }  |       | 134        | _        | $\dashv$ | +       | +       | t        | H               | $\dashv$    | ᅥ         |
|          | 35            | $\prod$  |                     | $\Box$   |          | $\Box$       | $\Box$   | $\Box$   | I        |                |              | 85       |                                     |                    |           |               |          |         |                   |             | 1    |       | 135        |          | 丁        |         | Ι       |          |                 |             | Ħ         |
|          | 36            | Щ  | $\sqcup$            | _        | _        | $\perp$      | 4        | $\bot$   |          | ]              |              | 86       |                                     |                    |           | $\Box$        | $\Box$   | $\perp$ | $\Box$            |             |      |       | 136        |          | $\Box$   | $\perp$ |         |          |                 |             |           |
| <u></u>  | 37            | H  | $\vdash \downarrow$ | $\dashv$ | _        | $\dashv$     | 4        | $\perp$  | $\bot$   | 4              | <u> </u>     | 87       | <u> </u>                            | Ш                  |           | Ц             | _        | $\perp$ | $\Box$            |             | - [  |       | 137        | $\perp$  | $\perp$  | 1       |         |          | Ш               | $\Box$      |           |
|          | 38<br>39      | N  | $\vdash$            | -+       | $\dashv$ | $\dashv$     | +        |          | -        |                |              | 88       | <u> </u>                            |                    | Ц         |               | 4        | 4-      | $\vdash$          | 4           | -    |       | 138        | $\sqcup$ | _        | -       | $\perp$ | _        | $\sqcup$        | $\dashv$    | _         |
|          | 40            | ⊢  | $\vdash \vdash$     | $\dashv$ | $\dashv$ | $\dashv$     | +        | +        | +        | 4              |              | 89<br>90 | $\vdash$                            | $\vdash$           | $\dashv$  | $\dashv$      |          |         | $\vdash$          | $\dashv$    | 1    |       | 139<br>140 | $\dashv$ | -        | +       | +-      | ╁        | $\vdash \dashv$ | $\dashv$    | _         |
|          | 41            | 0  | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$     | +        | $\dashv$ | +        | ┧              |              | 91       | $\vdash$                            | $\vdash$           | $\dashv$  | $\dashv$      |          | +       | $\vdash$          | $\dashv$    |      |       | 141        | $\vdash$ | +        | +       | +       | ╁        | $\vdash$        | $\dashv$    | $\dashv$  |
|          | 42            | =  | $\vdash$            | $\dashv$ | $\dashv$ | $\dashv$     | +        | +        | $\dashv$ |                | <del> </del> | 92       |                                     | $\vdash$           | $\dashv$  | $\dashv$      |          | +-      | H                 |             | : [  |       | 142        | +        | +        | +       | +-      | +-       | Н               | $\dashv$    | $\dashv$  |
|          | 43            | =  |                     |          |          | ╛            |          | _†       |          | 10.7           |              | 93       | Ħ                                   | H                  |           | $\dashv$      | $\dashv$ | +       | $\sqcap$          | T           | 1    |       | 143        | $\dashv$ | $\dashv$ | +       | +       | †-       | H               | -           | $\dashv$  |
|          | 44            |  |                     |          |          |              |          |          |          | ]              |              | 94       |                                     |                    |           |               | _†       |         | $\Box$            | _           | -    |       | 144        | _        | $\top$   | $\top$  | 十       | T        | $\vdash$        | $\dashv$    | $\exists$ |
|          | 45            | П  | $\Box$              | $\bot$   | $\Box$   | $\Box$       | $\bot$   | T        | $\perp$  | ]              |              | 95       |                                     |                    |           |               |          | $\perp$ |                   |             |      |       | 145        |          | ╧        | I       |         |          |                 | 丁           |           |
|          | 46            | 1  | $\vdash$            | 4        | 4        | 4            | _        | _        | $\bot$   | 1              | ļ            | 96       |                                     | Ш                  |           | $\Box$        | Ţ        | $\perp$ | П                 | $\Box$      |      |       | 146        | $\Box$   | $\Box$   | Ţ       | Γ       |          |                 | $\sqsupset$ |           |
|          | 47<br>48      | H  | -                   | +        | 4        | -+           | +        | +        | +        | ┨∷             | L            | 97       | $\vdash$                            | Ш                  | _         |               | _        | +       | $\sqcup$          | Ц.          | -    |       | 147        | _        | $\perp$  | $\perp$ | 1       | _        |                 |             | _         |
|          | 48            | V  | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$     | $\dashv$ | +        | +        | ┨¨             | <u> </u>     | 98<br>99 | $\vdash$                            | $\vdash \vdash$    | -         | $\dashv$      | $\dashv$ | +       | $\vdash$          | _           | .    |       | 148        | _ -      | _        | +-      | ╀       | $\vdash$ | $\vdash \vdash$ | $\dashv$    | 4         |
| $\vdash$ | 50            | 1  | $\dashv$            | +        | $\dashv$ | +            | +        | $\dashv$ | +        | +              |              | 100      | <del>  -</del>                      | $\vdash$           | $\dashv$  | $\dashv$      | $\dashv$ | ┿       | $\vdash$          | $\dashv$    | ŀ    |       | 149<br>150 | $\dashv$ | +        | +       | ╁       | ┼        | dash            | $\dashv$    |           |
|          |               | Ц.   |                     | _,,      | L        |              |          | L        | !        | ٠:.            |              | 100      |                                     |                    |           |               | L        |         | 1                 | ].          | :L   |       | 130        |          |          | _L_     |         |          | ш               |             | 1         |